

PTO-1449 REPRODUCED				ATTORNEY DOCKET NO. 301490.1001-111		APPLICATION NO. 10/628,866	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION March 22, 2004 (Several sheets if necessary)				APPLICANT Shukri F. Khuri and Patrick Treanor			
				FILING DATE July 28, 2003		GROUP ART UNIT 3736	
U.S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
/BN/	AA	3,973,555	10 Aug 1976	Möller et al	128	2	
/BN/	AB	4,252,124	24 Feb 1981	Maurer et al	128	635	
/BN/	AC	4,413,628	8 Nov 1983	Tamulis	128	635	
/BN/	AD	4,467,807	28 Aug 1984	Bornzin	128	419	
/BN/	AE	4,562,846	7 Jan 1986	Cox et al	128	696	
/BN/	AF	4,717,548	5 Jan 1988	Lee	422	68	
/BN/	AG	4,774,956	4 Oct 1988	Kruse et al	128	635	
/BN/	AH	4,912,417	27 Mar 1990	Gibboney et al	324	438	
/BN/	AI	5,024,668	18 Jun 1991	Peters	606	194	
/BN/	AJ	5,051,352	24 Sep 1991	Martindale et al	435	1	
/BN/	AK	5,063,930	12 Nov 1991	Nucci	128	632	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
/BN/	AL	2,198,638	1 Sep 1972	France (English Abstract)			
/BN/	AM	DE 24 48 459	24 Apr 1975	Germany (English Abstract)			
/BN/	AN	NL 7415486	31 May 1976	Netherlands (English Abstract)			
/BN/	AO	2 045 940	5 Nov 1980	Great Britain			
/BN/	AP	DE 32 43 094A1	26 May 1983	Germany (English Abstract)			
/BN/	AQ	0 354 719 A1	14 Feb 1990	Europe			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
/BN/	AR	Alam, S., et al "Lack of Effect of Nitroglycerin on the Transmural Variation of Tissue pH during Fixed Coronary Stenosis," Z. Kardiol., 72, 000-000; pp 1-4 (1983)					
/BN/	AS	Axford, T.C., et al., "Electrode-derived myocardial pH measurements reflect intracellular myocardial metabolism assessed by phosphorus 31-nuclear magnetic resonance spectroscopy during normothermic ischemia," Journal of Thoracic and Cardiovascular Surgery, 103:902-907 (1992)					
/BN/	AT	Dearani, J.A., et al, "Myocardial pH and Coronary Perfusion Pressure as Indicators of Survival During Cardiopulmonary Resuscitation," American College of Surgeons, Surgical Forum, 40(5):46-48 (1989)					
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/BN/	AA2	5,199,428	6 Apr 1993	Obel et al	128	419	
/BN/	AB2	5,256,660	26 Oct 1993	Swan	514	238.8	
/BN/	AC2	5,304,495	19 Apr 1994	Yim	436	68	
/BN/	AD2	5,325,709	5 Jul 1994	Lee	73	61.43	
/BN/	AE2	5,472,876	5 Dec 1995	Fahy	435	284.1	
/BN/	AF2	5,522,389	4 Jun 1996	Fischer et al	128	634	
/BN/	AG2	5,533,971	9 Jul 1996	Phipps	604	20	
/BN/	AH2	5,573,502	12 Nov 1996	LeCocq et al	604	4	
/BN/	AI2	5,588,816	31 Dec 1996	Abbott et al	417	479	
/BN/	AJ2	5,603,817	18 Feb 1997	Settler et al	204	433	
/BN/	AK2	5,753,207	19 May 1998	Zuo et al	424	9.36	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
/BN/	AL2	WO 92/19150	12 Nov 1992	PCT			
/BN/	AM2	0 522 727 A1	13 Jan 1993	Europe			
/BN/	AN2	2,151,579	11 Dec 1995	Canada			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
/BN/	AU	Dearani, J.A., "Routine Measurement of Myocardial Temperature is Not Reflective of Myocardial Metabolism During Cardiac Surgery," American College of Surgeons, Surgical Forum, 41:228-230 (1990)					
/BN/	AV	Dearani, J.A., et al, "Role of Myocardial Temperature Measurement in Monitoring the Adequacy of Myocardial Protection During Cardiac Surgery," Ann Thorac Surg, 2001; 72:S2235-44					
/BN/	AW	Hassanein, W., et al., "Continuous Perfusion of Donor Hearts in the Beating State Extends Preservation Time and Improves Recovery of Function," The Journal of Thoracic and Cardiovascular Surgery, 116:821-830 (1998)					
	AX	Josa, M., et al, "The Superiority of Blood Over Crystalloid Cardioplegia in Preventing Myocardial Acidosis During Global Cardiac Arrest," Cardiac Surgery, Surgical Forum, 253-255					
EXAMINER				DATE CONSIDERED			

PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION March 22, 2004 (Use several sheets if necessary)				ATTORNEY DOCKET NO. 301490.1001-11		APPLICATION NO. 10/628,866	
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U.S. PATENT DOCUMENTS							
EXA M- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
/BN/	AA3	5,766,432	16 Jun 1998	Dunn et al	204	412	
/BN/	AB3	5,788,631	4 Aug 1998	Fiddian-Green	600	309	
/BN/	AC3	5,813,403	29 Sep 1998	Soller et al	128	633	
/BN/	AD3	5,899,867	4 May 1999	Collura	600	545	
/BN/	AE3	6,046,046	4 Apr 2000	Hassanein	435	284.1	
/BN/	AF3	6,090,096	18 Jul 2000	St. Goar et al	604	509	
/BN/	AG3	6,100,082	8 Aug 2000	Hassanein	435	284.1	
/BN/	AH3	6,113,575	5 Sep 2000	Viitala, et al	604	132	
FOREIGN PATENT DOCUMENTS							
/BN/		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
/BN/	AO2	JP 08-182665	16 Jul 1996	Japan (English Abstract)			
/BN/	AP2	FR 2 744 804	14 Aug 1997	France (English Abstract)			
/BN/	AQ2	WO 98/26709	25 Jun 1998	PCT			
/BN/	AL3	WO 99 08589	25 Feb 1999	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
/BN/	AY	Khabbaz, K. R. et al, "Simultaneous In Vivo Measurements of Intracellular and Extracellular Myocardial pH During Repeated Episodes of Ischemia," Current Surgery, 46(5):399-400 (1989)					
/BN/	AZ	Khabbaz, K. R., et al, "Intraoperative Metabolic Monitoring of the Heart: II. Online Measurement of Myocardial Tissue pH," The Annals of Thoracic Surgery, 72:S2227-34 (2001)					
/BN/	AR2	Khuri, S. F., et al., "First Report of Intramyocardial pH in Man: I. Methodology and Initial Results," Medical Instrumentation, 18(3):167-171 (1984)					
/BN/	AS2	Khuri, S. F., et al, "Intraoperative assessment of the physiologic significance of coronary stenosis in humans," Journal of Thoracic and Cardiovascular Surgery, 92(1):79-87 (1986)					
/BN/	AT2	Khuri, S. F., et al "First report of intramyocardial pH in man," Journal of Thoracic and Cardiovascular Surgery, 86(5):667-678 (1983)					
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EXAM- INER INI- TIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
/BN/	AU2	Khuri, S.F. et al., "Metabolic Correlates of Myocardial Stunning and the Effect of Cardiopulmonary Bypass," Journal of Cardiac Surgery, 8(2):262-270 (1993)	
/BN/	AV2	Khuri, S.F. et al., "The Superiority of Continuous Cold Blood Cardioplegia in the Metabolic Protection of the Hypertrophied Human Heart," Journal of Thoracic and Cardiovascular Surgery, 95(3):442-454 (1998)	
/BN/	AW2	Khuri, S.F. & Marston, W.A., "On-line Metabolic Monitoring of the Heart During Cardiac Surgery," Symposium on the Latest Advances in Cardiac Surgery," Surgical Clinics of North America, 65(3):439-453 (1985)	
/BN/	AX2	Khuri, S.F. & Warner, K.G., "Intraoperative pH Monitoring for the Detection of Progressive Myocardial Ischemia," Myocardial Protection in Cardiac Surgery, Arthur J. Roberts ed. (Marcel Dekker, Inc.), pp 399-412 (1987)	
/BN/	AY2	Khuri, S.F. et al. "Changes in Intramyocardial ST Segment Voltage and Gas Tensions with Regional Myocardial Ischemia in the Dog," Circulation Research, 37:455-463 (1975)	
/BN/	AZ2	Khuri, S.F., "Myocardial Preservation During Coronary Artery Bypass Surgery," Cardiac Surgery: State of the Art Reviews, 1(1):59-75 (1986)	
/BN/	AR3	Khuri, S.F., et al, "Observations on 100 patients with continuous intraoperative monitoring of intramyocardial pH," Journal of Thoracic and Cardiovascular Surgery, 89:170-182 (1985)	
/BN/	AS3	Khuri, S.F., et al "Intramural Pco ₂ : a reliable index of the severity of myocardial ischemic injury," American Journal Physiol., 237(2): H253-H259 (1979)	
/BN/	AT3	Khuri, S.F., "Myocardial Protection During Reoperative Valve Surgery," A Textbook of Cardioplegia for Difficult Clinical Problems, Engelman Rm, Levitsky S., (Futura Publishing Company, Inc.), 21:221-235 (1992)	
/BN/	AU3	Khuri, S.F., "Invited letter concerning: Changes in myocardial high-energy stores and carbohydrate metabolism during intermittent aortic crossclamping in dogs on cardiopulmonary bypass at 34° and 25° C," The Journal of Thoracic and Cardiovascular Surgery, 101(3):559-561 (1991)	
/BN/	AV3	Khuri, S.F., "pH-Guided Myocardial Management: A New Frontier in Cardiac Surgery," no date given	
/BN/	AW3	Khuri, S.F., et al., "The Significance of the Late Fall in Myocardial Pco ₂ and Its Relationship to Myocardial pH after Regional Coronary Occlusion in the Dog," Circulation Research, 56(4):537-547 (1985)	
/BN/	AX3	Khuri, S.F., et al., "Intraoperative Assessment of the Stunned versus Infarcted Myocardium with the Simultaneous Use of Transesophageal Echocardiography and the Measurement of Myocardial pH: Two Case Studies," Journal of Cardiac Surgery, 9(3):403-409 (1994)	
/BN/	AY3	Khuri, S. F., et al, "Panel Discussion: Monitoring and Improving Patient Safety During and Following Cardiac Surgery," Ann Thorac Surg 2001; 72:S2267-70	
/BN/	AZ3	Kwasnik, E.M., et al., "Hemodynamic and metabolic responses to graded microvascular occlusion," Journal of Vascular Surgery, 13(6):867-874 (1991)	
/BN/	AR4	Lange, R., et al, "Time Course of Ischemic Alterations during Normothermic and Hypothermic Arrest and its Reflection by On-line Monitoring of Tissue pH," Journal of Thoracic Cardiovascular Surgery, 86(3):418-434 (1983)	
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/BN/	AS4	Lange, R et al, ""Intramyocardial pH Measurement: A Useful Tool for the On-line Assessment of Ischemic Damage and the Adequacy of Myocardial Preservation During Open Heart Surgery?," American College of Surgeons, Surgical Forum 33:290-292 (1982)	
/BN/	AT4	Lange, R et al., "The relative important of alkalinity, temperature, and the washout effect of bicarbonate-buffered, multidose cardioplegic solution," Myocardial Protection, 70:I-75-I-83 (1984)	
/BN/	AU4	Martin, D., et al., "The Effects of Normothermic and Hypothermic Cardiopulmonary Bypass on Defibrillation Energy Requirements and Transmyocardial Impedance," Journal of Thoracic and Cardiovascular Surgery, 109:981-988 (1995)	
/BN/	AV4	Randolph, J. D., et al., "Improved Myocardial Preservation with Oxygenated Cardioplegic Solutions as Reflected by On-line Monitoring of Intramyocardial pH during Arrest," Journal of Vascular Surgery, 3(2):216-225 (1986)	
/BN/	AW4	Reifart, N., et al., "Effects of Bepridil on Regional Myocardial Ischemia and Comparison with Verapamil," The American Journal of Cardiology, 58:541-546 (1986)	
/BN/	AX4	Siouffi, S. Y. et al., "Method for the Metabolic Quantification of Regional Myocardial Ischemia," Journal of Surgical Research, 43:360-378 (1987)	
/BN/	AY4	Tantillo, M.B. & Khuri, S.F., "Myocardial tissue pH in the assessment of the extent of myocardial ischemia and the adequacy of myocardial protection," Ischemia-reperfusion in cardiac surgery, H.M. Piper & C. J. Preusse (ed), (Kluwer Academic Publishers), 335-352 (1993)	
/BN/	AZ4	Warner, K.G., et al, "Comparative Response of Muscle and Subcutaneous Tissue pH During Arterial and Venous Occlusion in Musculocutaneous Flaps," Annals of Plastic Surgery, 22(2):108-116 (1989)	
/BN/	AR5	Warner, K.G. et al "Reduction in Myocardial Acidosis Using Blood Cardioplegia," Journal of Surgical Research, 45(3):247-256 (1987)	
/BN/	AS5	Warner, K. G., et al, "Metabolic and Microscopic Evidence of Ischemia in Valvular Heart Operation: Are we Really Protecting the Hypertrophied Ventricle?," American College of Surgeons, Surgical Forum , 36:216-218 (1985)	
/BN/	AT5	Warner, K. G., et al, "Structural and Metabolic correlates of cell injury in the hypertrophied myocardium during valve replacement," Journal of Thoracic and Cardiovascular Surgery, 93(5):741-754 (1987)	
/BN/	AU5	Warner, K.G., et al, "Significance of the Transmural Diminution in Regional Hydrogen Ion Production After Repeated Coronary Artery Occlusions," Circulation Research, 64(3):616-628 (1989)	
/BN/	AV5	Warner, K.G. et al, "Regional Changes in Myocardial Acid Production during Ischemic Arrest: A Comparison of Sanguineous and Asanguineous Cardioplegia," Annals of Thoracic Surgery, 45(1):75-81 (1988)	
/BN/	AW5	Zankoul, F.E., et al, "Time Course and Significance of Myocardial Tissue Acidosis During Global Ischemia and Sanguineous Reperfusion in the Isolated Rabbit Heart," Surgical Forum, 48:353-355 (1997)	
EXAMINER /Robert Nasser/		DATE CONSIDERED 09/24/2007	